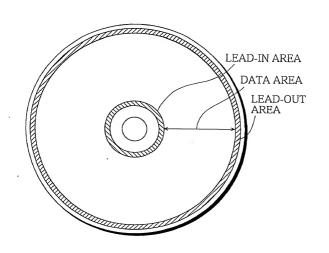
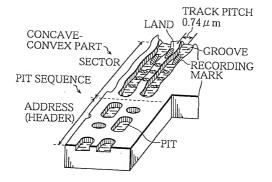
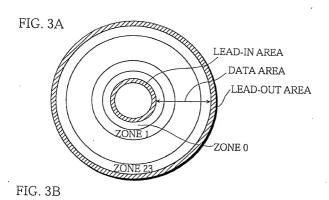
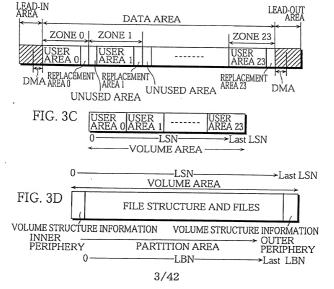
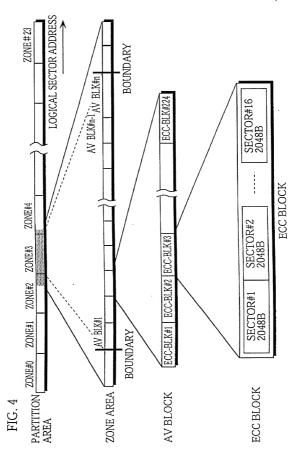
FIG. 1





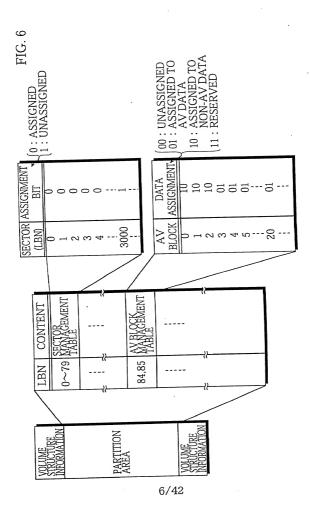


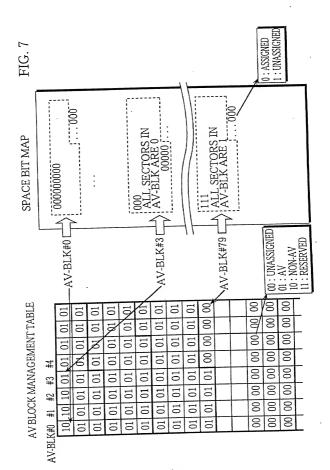


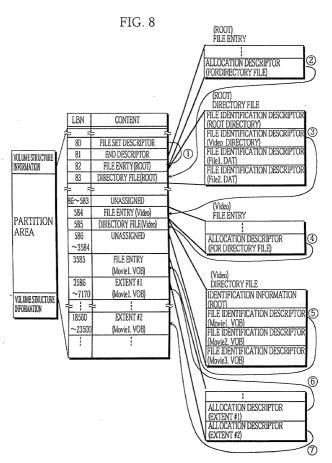


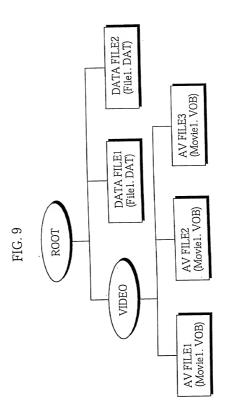
LAST BLOCK-LENGTH TABLE

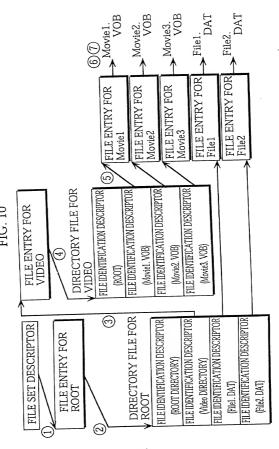
ZONE NUMBER	NUMBER OF ECC-BS	LAST LBN
1	272	
2	304	
3	315	
4	293	
i	FL(i)	
•		











10/42

FIG. 11A

VOTIVITA IN A TITE COMPANDA OF A SECONDARY	ON DESCRIPTOR	CONTENT	ALLOCATION DESCRIPTOR: EXTENT A	AT TO CAMPONIA DESCRIPTION - EXTENT R	ALLUCATION DESCRIPTION: EXIENT E	AT TOCATION DESCRIPTOR: EXTENT C	C Thirdming a comment of the comment	32 ALLOCATION DESCRIPTOR: EXIENT D			
	LLOCAT	RBP LENCTH	∞		16 8	8	0 4.7	32 8	1		
	∢.1	144		_	=		_			_	1
	CONTENT	ag	irhtag .	0	:	664171	OffitS2	BYTE		BYTE	
FILE ENTRY	LENGTH FIELD NAME	DESCRIPTOR TAG				THOUSE I COMMISSION I CAME OF THE	ALLUCATION DESCRIPTION LENGTH OTHEST	17E IT FA BYTENSION ATTRIBITE		I - A D ALLOCATION DESCRIPTOR	
.10. 117.	ENCTH	191	200		:	1		I FA	5	I-AD	!
5.7	BP [c	, 4	21	:	Í	17.2 4	176	2.	,	3

ALLOCATION DESCRIPTOR LENGTH-L-AD. EXTENSION ATTRIBUTE LENGTH-L-EA. a=L-EA+176

FIG. 11B ALLOCATION DESCRIPTOR

•			
RBP	LENGTH FIELD NAME	FIELD NAME	CONTENT
0	4	EXTENT LENGTH	Unit32
4	4	EXTENT POSITION	Unit32

VALUE	INTERPRETATION
0	ASSIGNED AND RECORDED EXTENT
	ASSIGNED AND NOT-RECORDED EXTENT
2	RESERVED
3	EXTENT AS EXTENSION OF ALLOCATION DESCRIPTOR

FIG. 12A

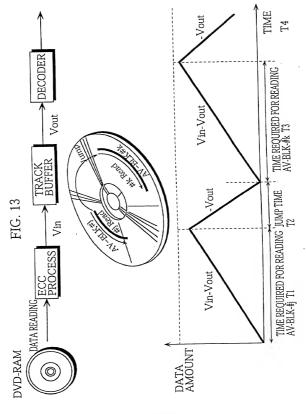
FILE IDENTIFICATION DESCRIPTOR FOR DIRECTORY

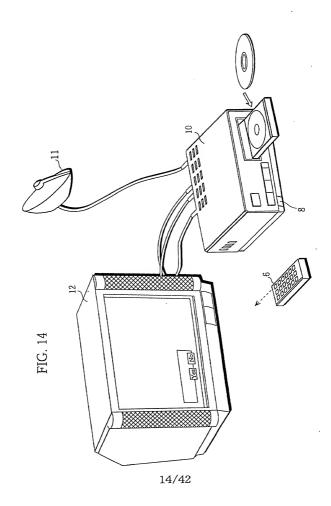
MANAGEMENT INFORMATION
IDENTIFICATION INFORMATION (DIRECTORY)
DIRECTORY NAME LENGTH
FILE ENTRY ADDRESS
INFORMATION FOR EXTENSION
DIRECTORY NAME

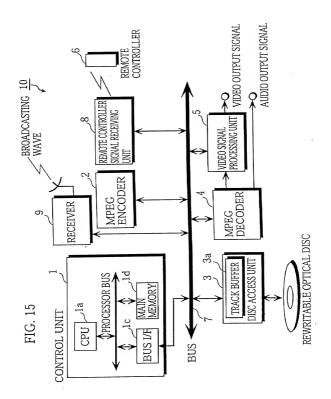
FIG. 12B

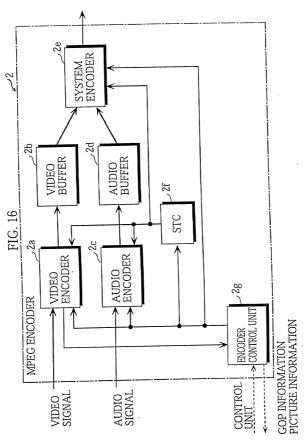
FILE IDENTIFICATION DESCRIPTOR FOR FILE

MANAGEMENT INFORMATION
IDENTIFICATION INFORMATION(FILE)
DIRECTORY NAME LENGTH
FILE ENTRY ADDRESS
INFORMATION FOR EXTENSION
FILE NAME

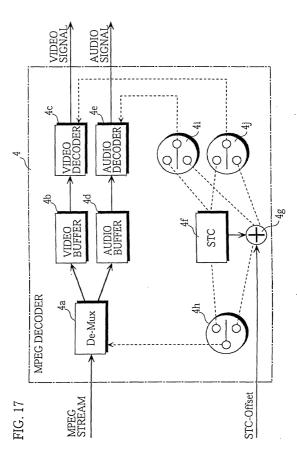








16/42



17/42

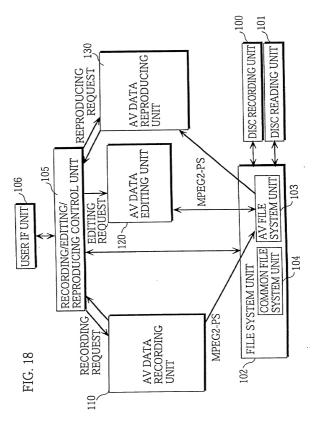
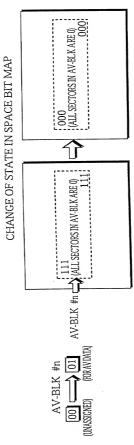
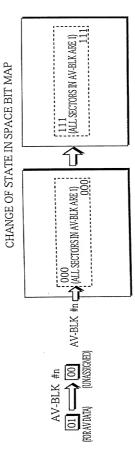


FIG. 19



19/42

FIG. 20



20/42

FIG. 21 COMMON FILE SYSTEM UNIT

					ID NON-AV)							
GENERATE A FILE	DELETE A FILE	OPEN A FILE	CLOSE A FILE .	WRITE A NON-AV FILE	READ A FILE (COMMON TO AV AND NON-AV)	MOVE INSIDE A DATA STREAM	CHANGE A FILE NAME	GENERATE A DIRECTORY	REMOVE A DIRECTORY	OBTAIN A FILE SYSTEM STATE	OBTAIN A FILE ATTRIBUTE	SET A FILE ATTRIBITE
CREATE	DELTE	OPEN	CLOSE	WRITE	READ	SEEK	RENAME	MKDIR	RMDIR	STATES	GET-ATTR	CFT_ATTR

AV FILE SYSTEM UNIT

AV-WRITE	WRITE AN AV FILE
MERGE	MERGE OF AVFILE1+BUFFER+AV FILE2
SPLIT	SPLIT AN AV FILE
SHORTEN	DELETE AN EDGE OF AV FILE
REPLACE	REPLACE A PART OF AV FILE
SEARCH-DISCON	SEARCH-DISCON DETECT WHETHER A SPECIFIED SECTION INCLUDES A DISCONTINUOUS BOUNDARY (ZUNE BOUNDARY)

FIG. 22

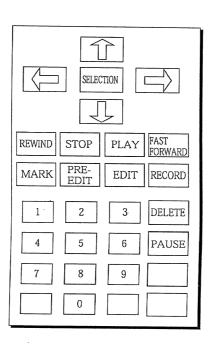
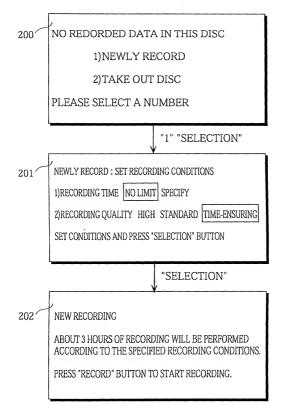
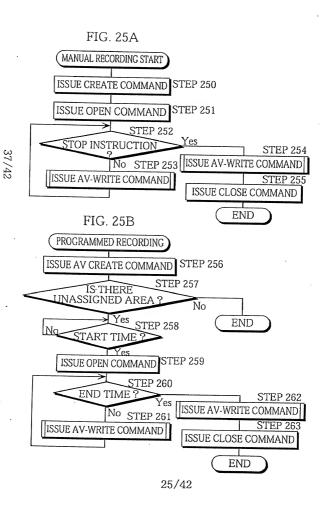
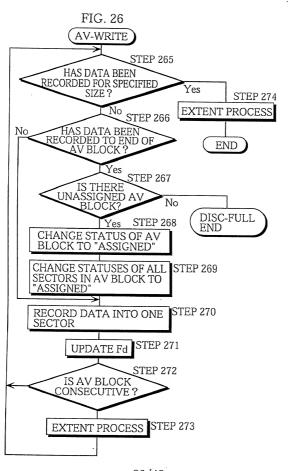


FIG. 23



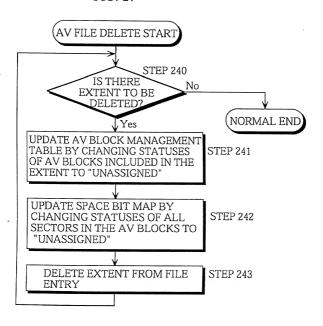
RECORDING CONDITION	SETTING BY AV DATA INPUT UNIT
HIGH QUALITY	BIT RATE=6Mbps,RESOLUTION=720×480
STANDARD	BIT RATE=3Mbps,RESOLUTION=360×480
TIME-ENSURING	BIT RATE=1.5Mbps,RESOLUTION=360×240

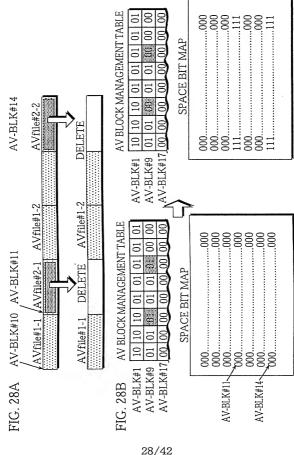




26/42

FIG. 27





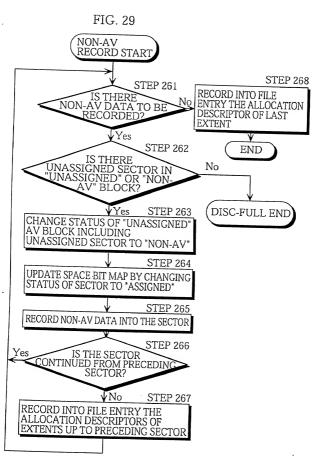
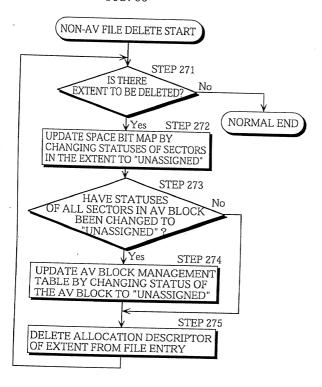
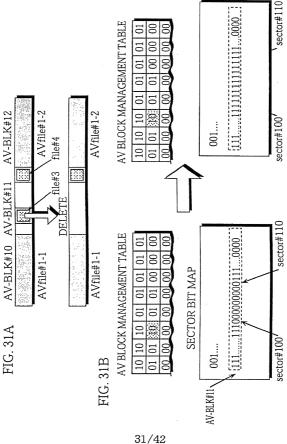


FIG. 30





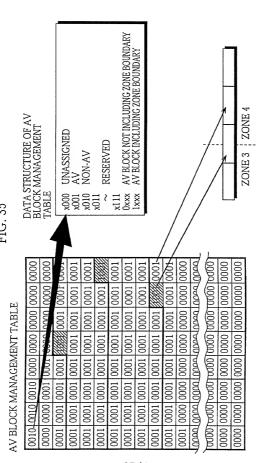
AV BLOCK MANAGEMENT TABLE

DATA STRUCTURE OF AV BLOCK MANAGEMENT TABLE AV BLOCK SIZE (THE NUMBER OF ECC BLOCKS) INASSIGNED AV BLOCK ATTRIBUTE INFORMATIV -RESERVED NON-AV $4bit \sim 15bit$ ~ 4095 Obit~3bit 0000 0010 0000 1110 0000 10E0 | 10E0 | 10E0 | 10E DO 110E0 10E0 10E0 10E0 10E0 10E0 10DD 10E0 10DC 10E0 10E0 20E0 | 20E0 | 20E0 | 10E0 | 10DF | 10E0 | 10E0 10E0 10E0 10E0 10E0 10E0 1130 10E0 10E0 OEO [10E0 | 10E0 | 10E0 | 10E0 | 10E0 | 10E0 | 10E0 OEO 110EO 110EO 110DF 110EO 110EO 110DF 110EO OEO 10EO 10EO 10EO 10DE 1138 10EO 10EO OE0 10E0 10DF 10E0 10E0 10E0 10DE 10DE OEO 10EO 10EO 00EO 00EO 00EO 00EO 00EO JOEO POJED POJED POJED POJED POJED POJED 10E0 | 10E0 | 10E0 | 10E0 | 10E OE0 10E0 10E0 11I0

VARIABLE-LENGTH AV BLOCK TABLE BLOCK AV BLOCK NUMBER LENGTH	. 1 223	12 222	17 222	20 272	22 221				i FL(i)					
FIG. 33 VARIA	THE TO GET WOLLDEN AND A TO	DATASTRUCTURE OF AV BLOCK MANAGEMENT	TABLE AV BLOCK SIZE	X000 UNASSIGNED		X011)	→ YKESEKVED	~ ~~	1XXX VARIABLE-LENGTH BLOCK—					
AV BLOCK MANAGEMENT TABLE	0000 0000 0000 0000 0000 0000 0000	0001 0001 0001 0001 0001 0001 0001	0001 0001	\sim	0001 0001 0001 0001 0001 0001	0001 0001 0001 0001 0001 0001 0001 0001	0001 0001 0001 0001 0001 0001 0001	0001 0001 0001 0001 0001 0001 0001	0001 0001 0001 0001 0001 0001 0001	0001 0001 0001 0001 0001 0001 0001 0001	0001 0000 0000 0000 0000 0000 0000 0000	Appan appan propries appan programmen programment	0000 0000 0000 0000 0000 0000 0000 0000	0000 0000 0000 0000 0000 0000 0000

AV BLOCK MANAGEMENT TABLE

		DATA STRUCTURE OF AV BLOCK MANAGEMENT TABLE				4bit~15bit	0~4095		Obit~3bit	AV BLOCK ATTRIBUTE INFORMATION	0000 UNASSIGNED	0010 NON-AV	0011	→ YESEKVED		
		DATA STRUCTURE OF AV B				<u></u>										
	2010 2024 203f 1001 1001 1001 1001	1001 1001	1001 1001 1001 1001 1001 1001 1001	001 1001 1001 1001 1001 1001 1001 1001	001 1001 1001 1001 1001 1001 1001 1001	1001 1001	1001 100	1001 1001 1001 1001 1001 1001 1001 1001	1001 1001 1001 1001 1001 1001 1001 1001	1001 100	0000 0000 0000 0000 0000 0000 0000 0000	0000 0000 0000 0000 0000 0000 0000 0000	1000 1000 1000 1000 1000 1000 1000 100	1 0000 10000 10000 10000 10000 10000 10000	0000 0000 0000 0000 0000 0000 0000 0000	0000 0000 0000 0000 0000 0000 0000
	1001	1001	1001	1001	1001	1001	1001 1001 1001 1001 1001 1001	1001	1001	1001 1001 1001 1001 1001 1001 1001	0000	0000	JU 0000	0000 Jac	0000	0000
:	1001	1001 regi	1001	1001	1001	.001 1001 1001 1001 1001 1001	1001	1001	1001	1001	0000	0000	delle	0000	0000	0000
	1001		1001	1001	1001	1001	1001	1001	1001	1001	0000	0000	d	0000	0000	0000
	203f	.001 1001 1001	1001	1001	1001	1001	1001	1001	1001	1001	0000	0000			0000	0000
	-202	1001	1001	1001	1001	1001	1001	1001	1001	1001	000	000			0000	000
	2010	1001	1001	1001	1001	1001	1001	1001	1001	1001	0000	0000			0000	0000
								3/1	11	2						

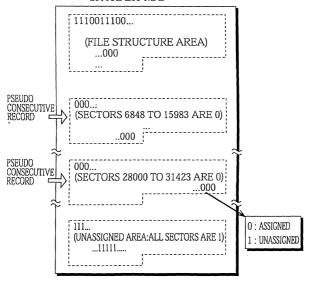


35/42

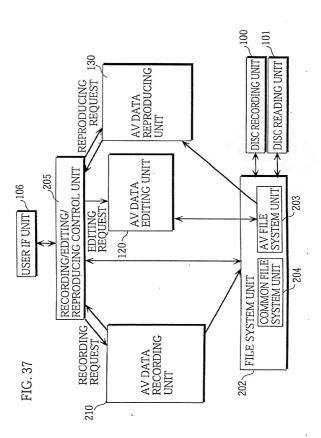
FIG. 36A

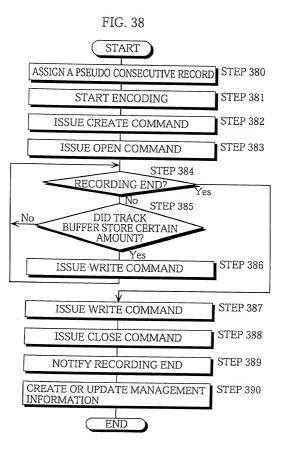
PSEUDO CONSECUTIVE RECORD ASSIGNMENT MANAGEMENT INFORMATION							
	6848	15983	0	├ ^{e1}			
	28000	31423	0	e2			

FIG. 36B SPACE BIT MAP



36/42





38/42

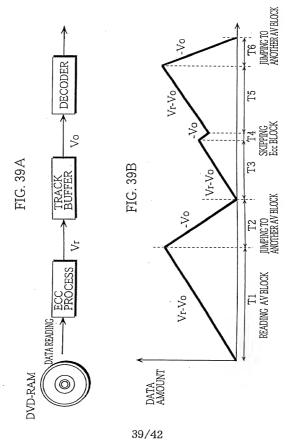


FIG. 40 START ASSIGN A PSEUDO CONSECUTIVE RECORD **STEP 400** START ENCODING **STEP 381** ISSUE CREATE COMMAND **STEP 382** ISSUE OPEN COMMAND **STEP 383** STEP 384 RECORDING END? Yes No STEP 385 No DID TRACK BUFFER STORE CERTAIN AMOUNT Yes **STEP 386** ISSUE WRITE COMMAND ISSUE WRITE COMMAND **STEP 387** ISSUE CLOSE COMMAND **STEP 388 STEP 389** NOTIFY RECORDING END **END**

40/42

FIG. 41

START SECTOR	END SECTOR	ATTRIBUTE	
4900	6847	Free	c1
34848	39000	Free	c2
44000	48000	Free	c3

FIG. 42

